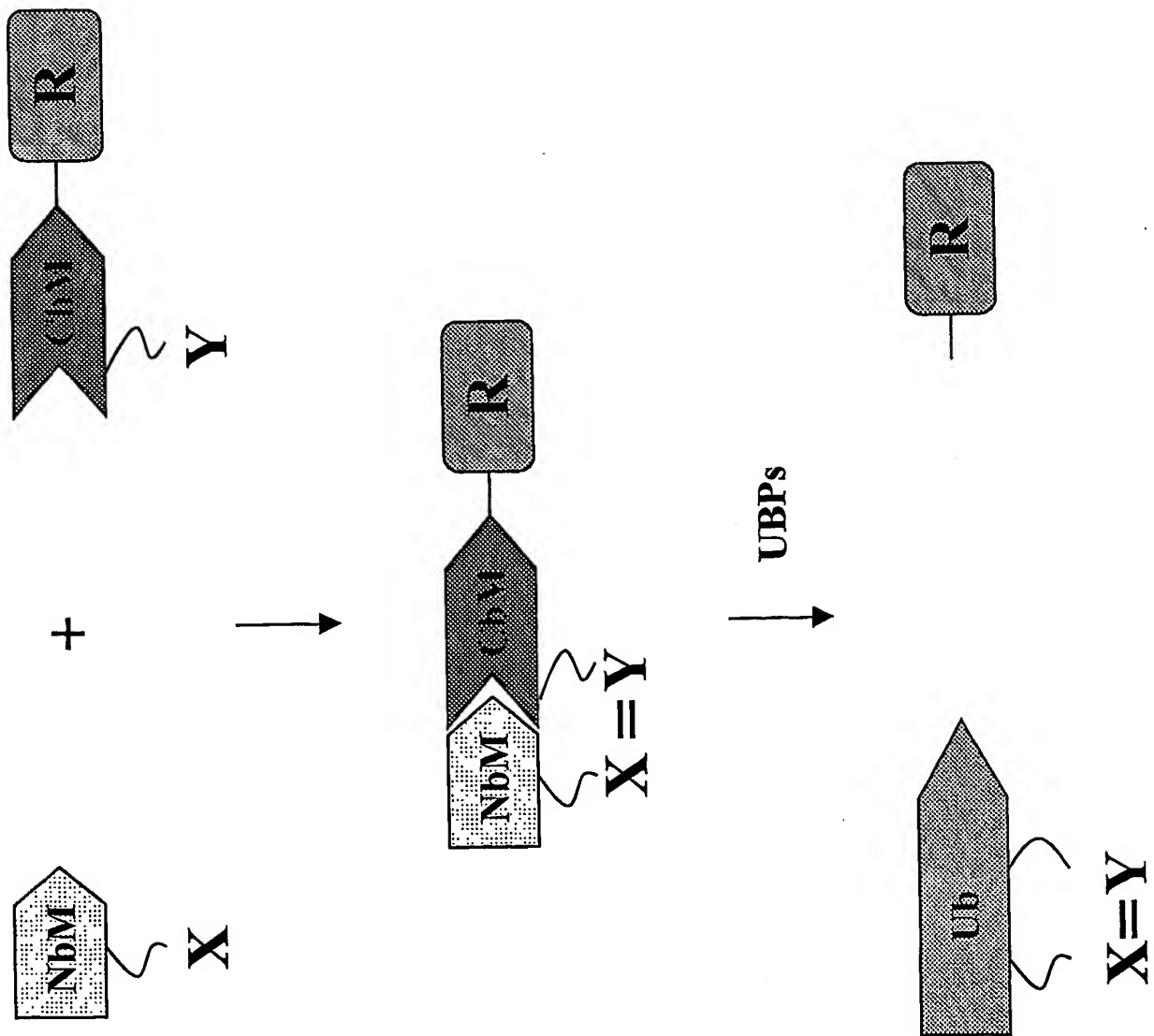


Figure 1



Best Available Copy

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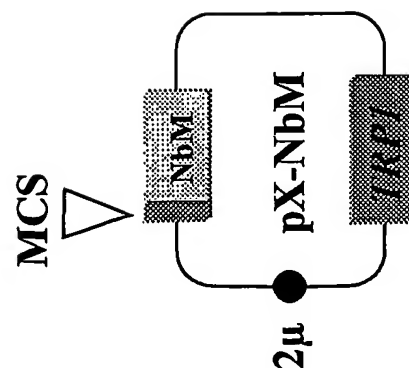
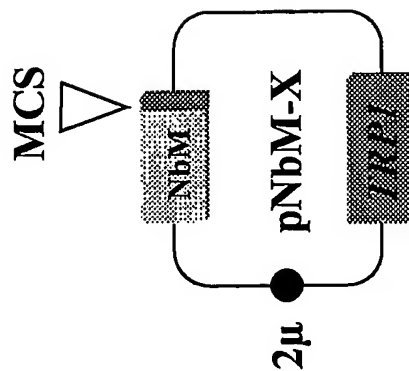
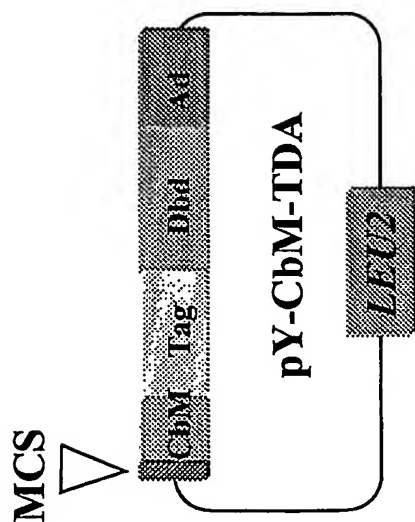
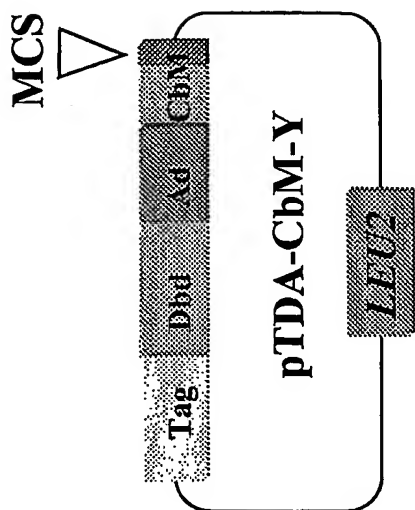


Figure 207

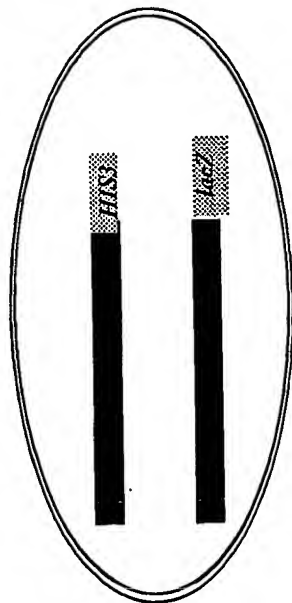
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Y-CbM-TDA

lumen or outside cell

cytoplasm

UBPs



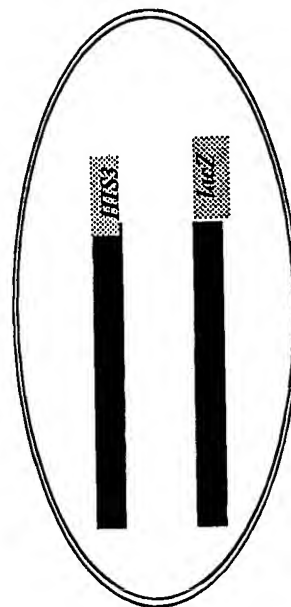
his3-
lacZ- (white)

X-NbM

lumen or outside cell

cytoplasm

UBPs

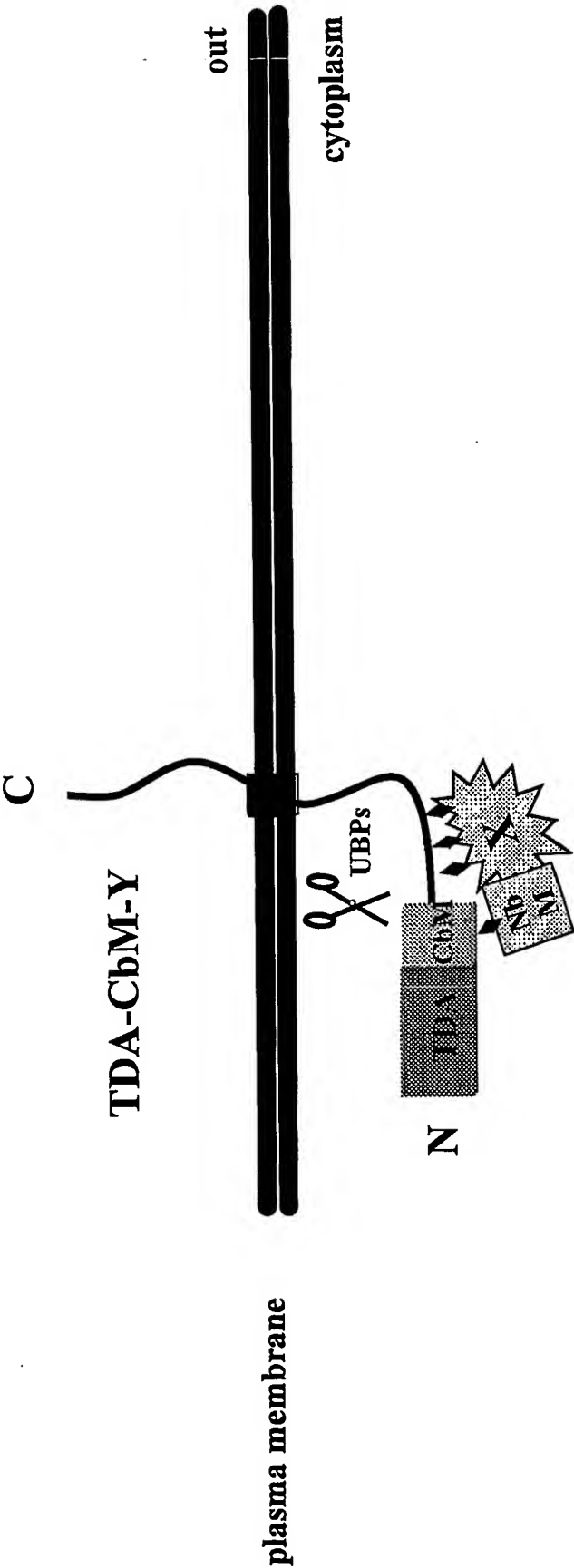


his3-
lacZ- (white)

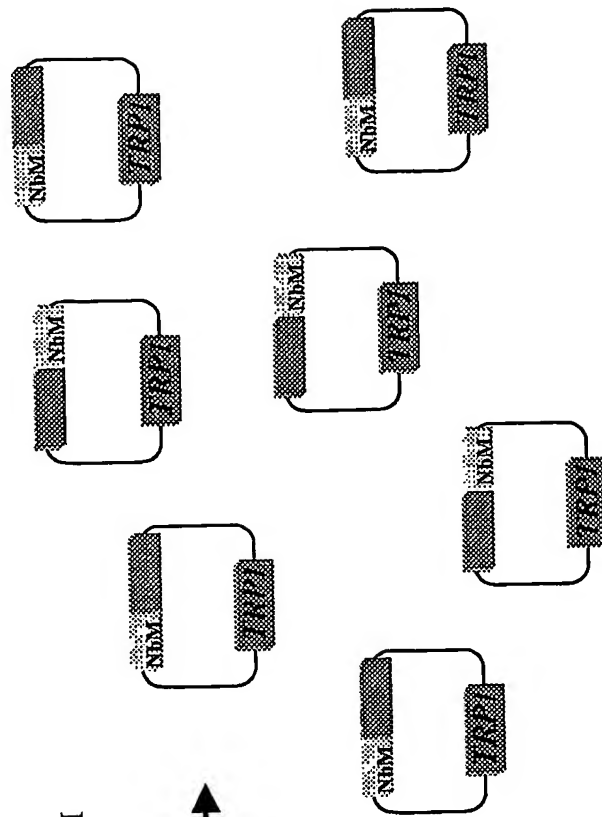
Figure 3A

10/509507

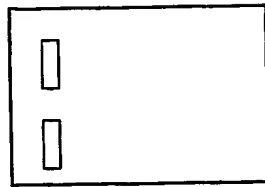
Figure 3C



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ligation into pX-NbM
and
pNbM-X vectors



SmaI
digestion
or
random
shearing
(sonication)



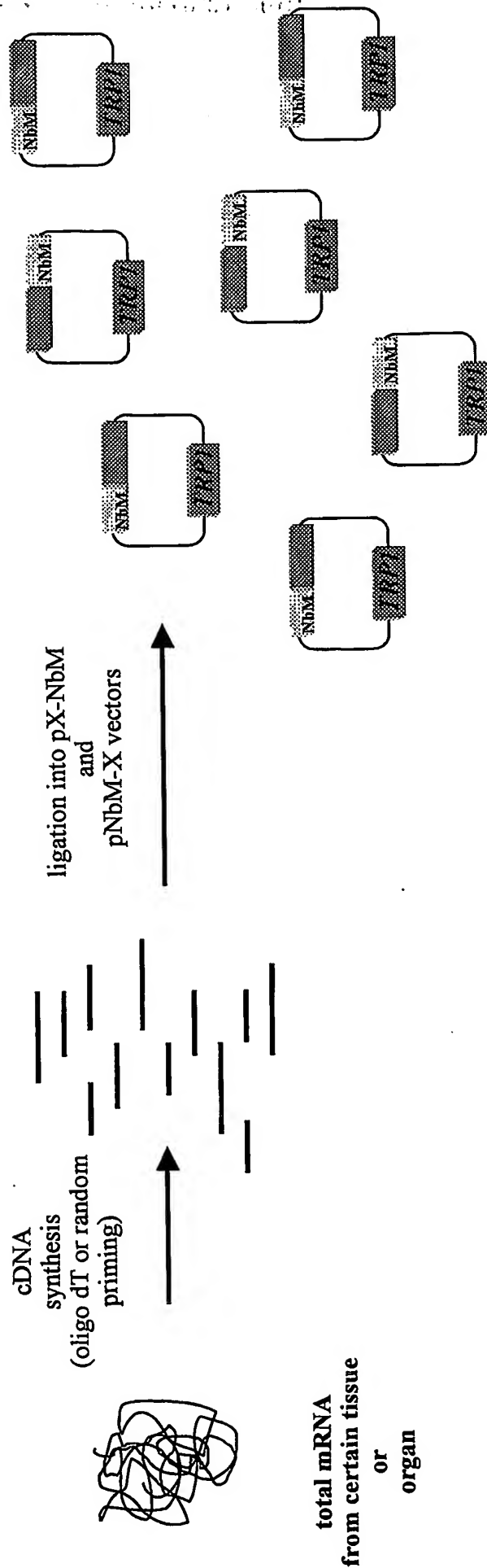
yeast genomic DNA

fragment size selection
in the agarose gel,
polishing of DNA ends
(if random sonication was used)

Random yeast genomic DNA
libraries in
pX-NbM and pNbM-X
vectors

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Figure 4A



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Oligo dT or random primed c DNA
libraries in
pX-NbM and pNbM-X
vectors

Figure 4B

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C

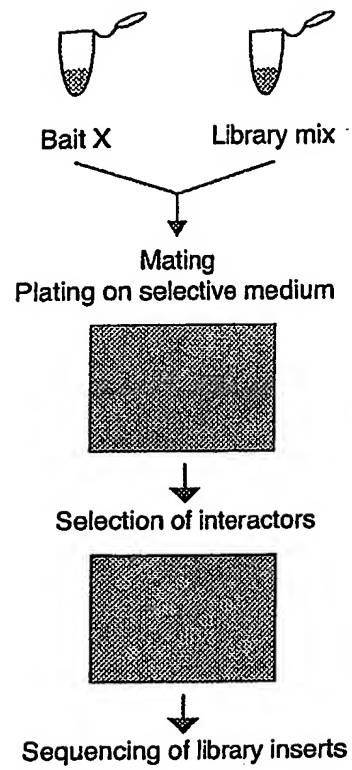


Figure 5

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X and Y DO NOT interact

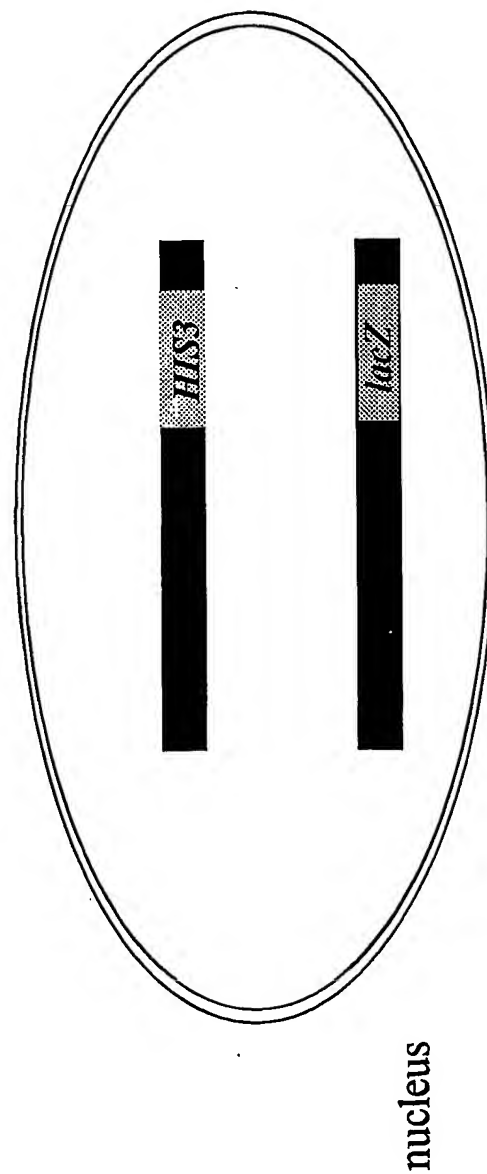
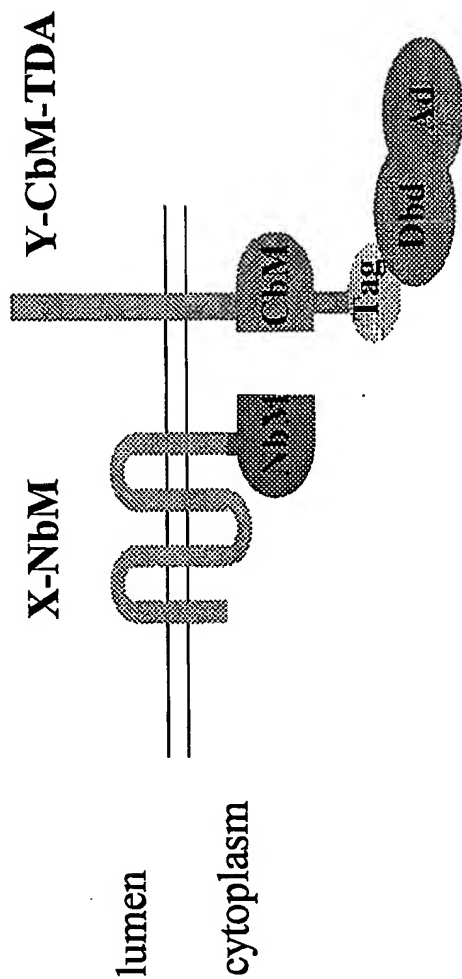
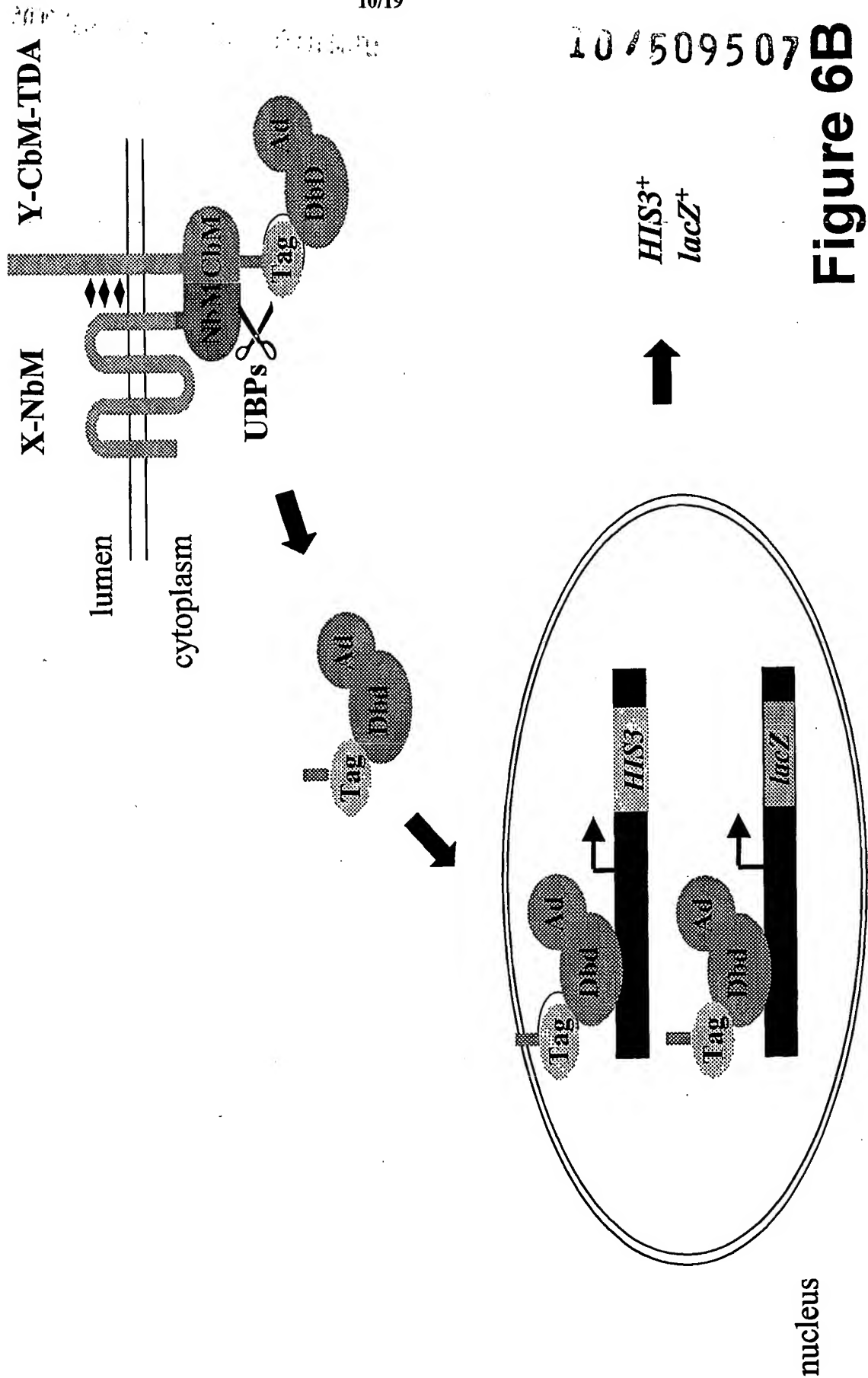


Figure 6A

X and Y DO interact

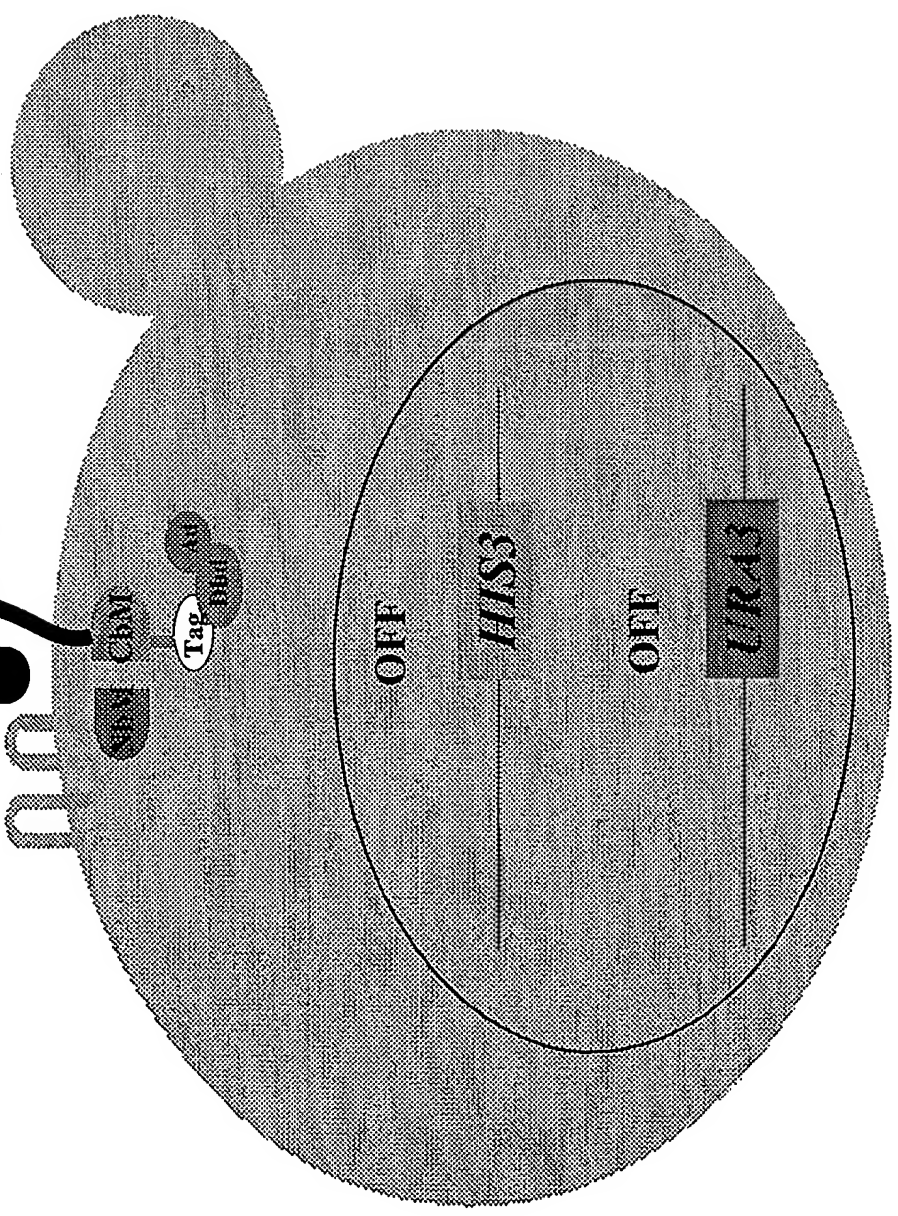


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- small molecule
- minimal interaction domain
- peptide encoded by plasmid
- peptide added to a medium
- antibody

● can be:

Y 007 X



+ Drug



ura⁻



5FOA^r

- Drug



URA⁺

(growth)



5FOA^s

(no growth)



HIS⁺

(growth)

Figure 7

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■ β -galactosidase activity of yeast colonies expressing the various X-NbM fusions under control of ADH promoter and/or 2 μ and CEN/ARS origins of replication

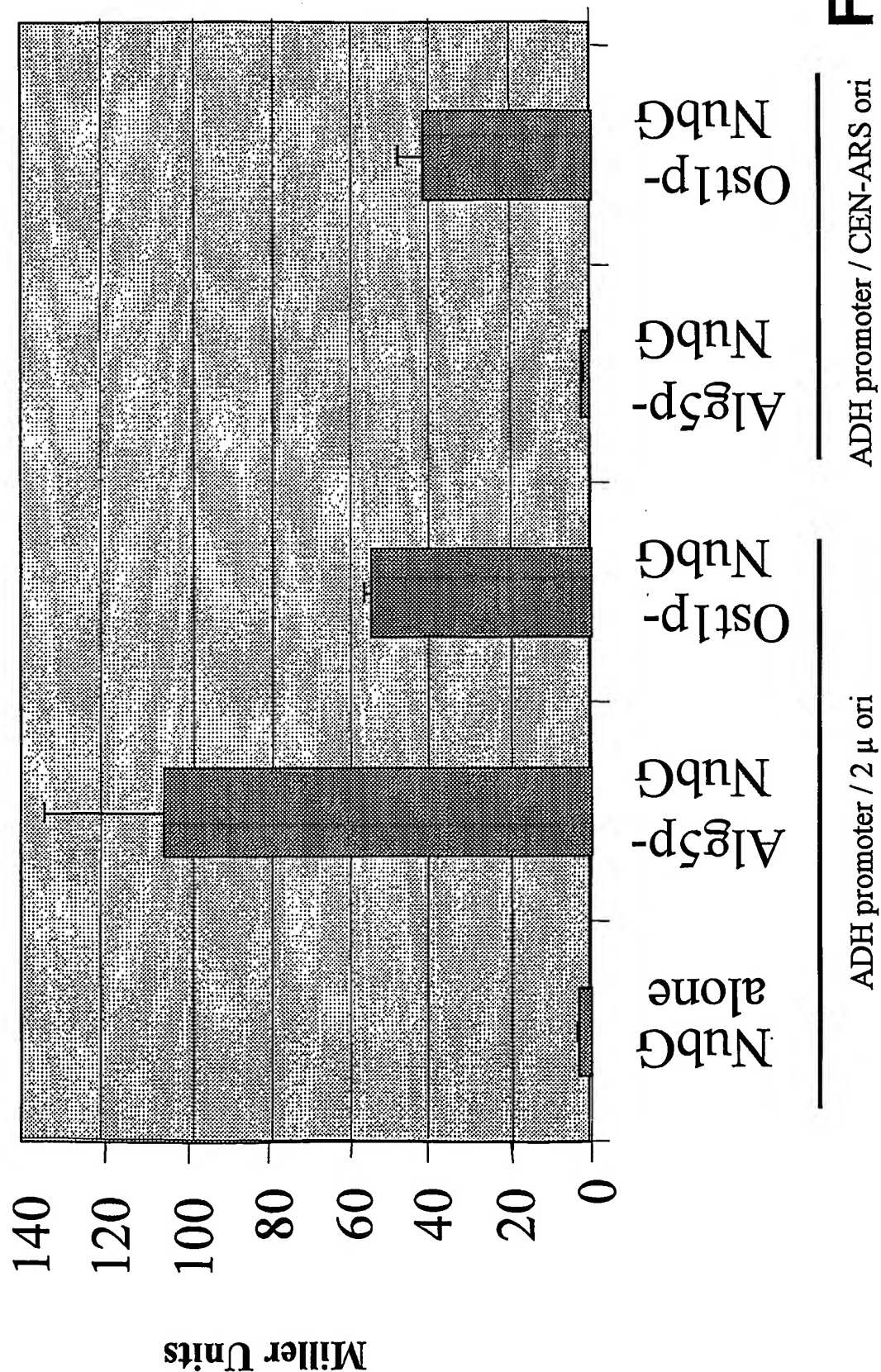


Figure 8

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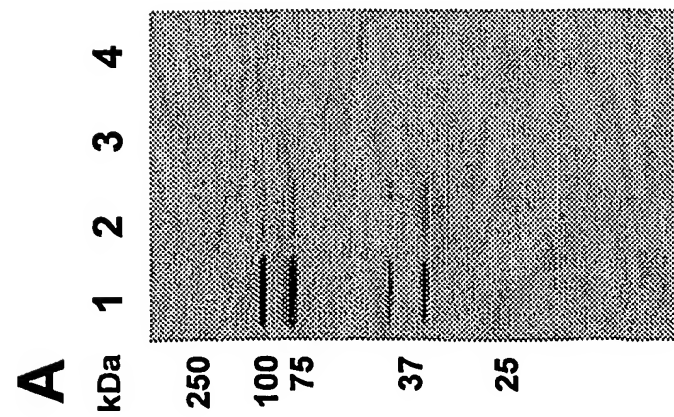
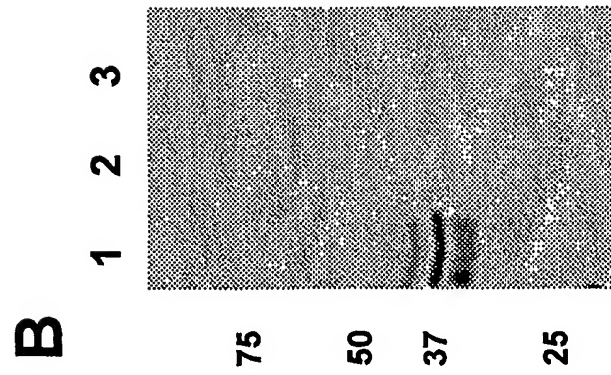
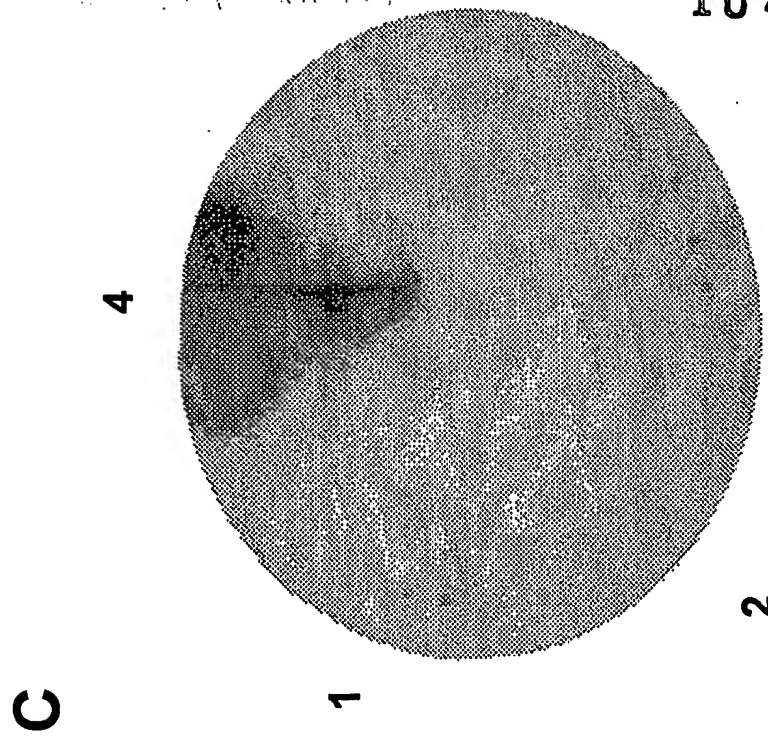
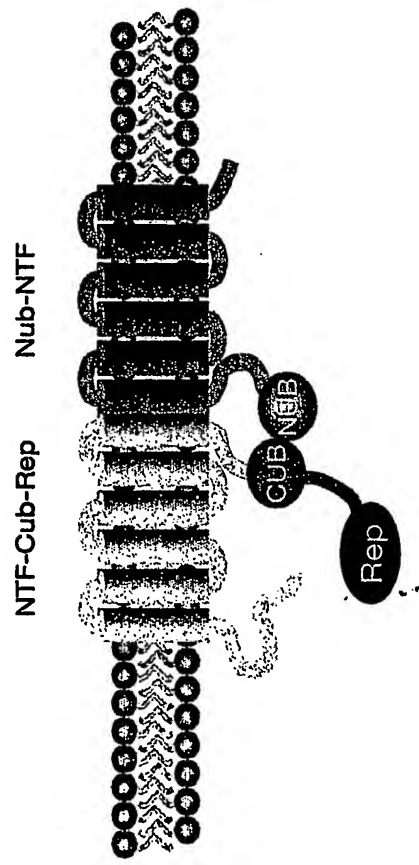


Figure 9

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A



B

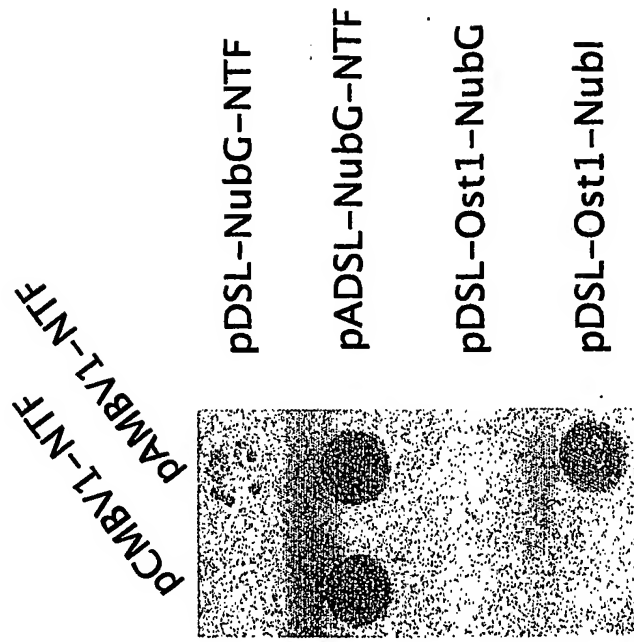


Figure 10

10/509507

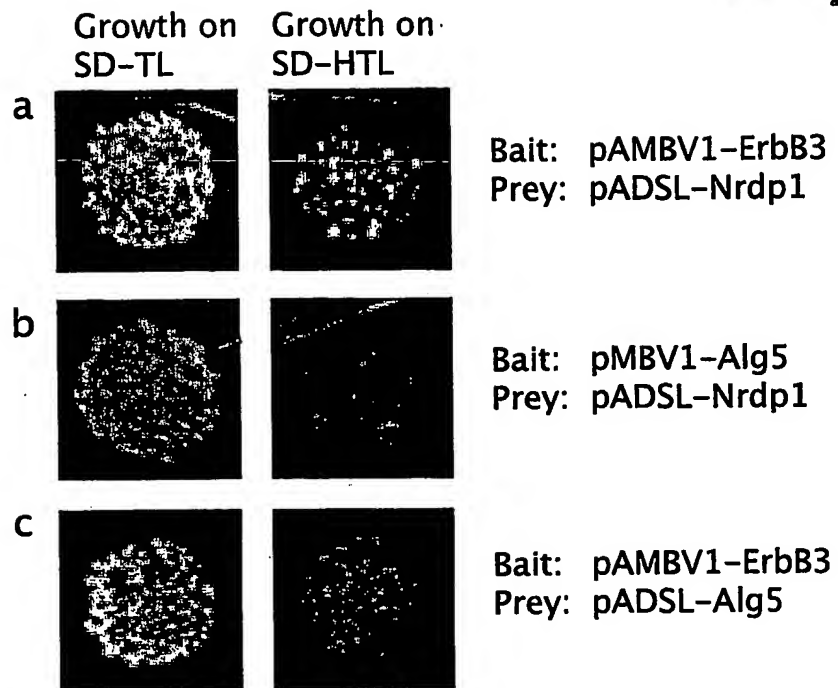
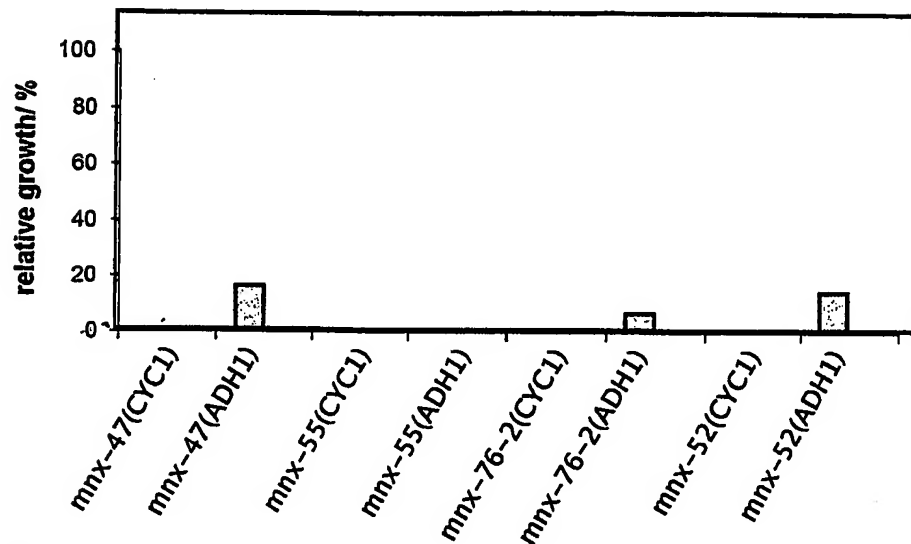


Figure 11

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A

beta2-adrenergic receptor expressed from
CYC1 promoter (pCMBV1-b2AR)



B

beta2-adrenergic receptor expressed from
ADH1 promoter (pAMBV1-b2AR)

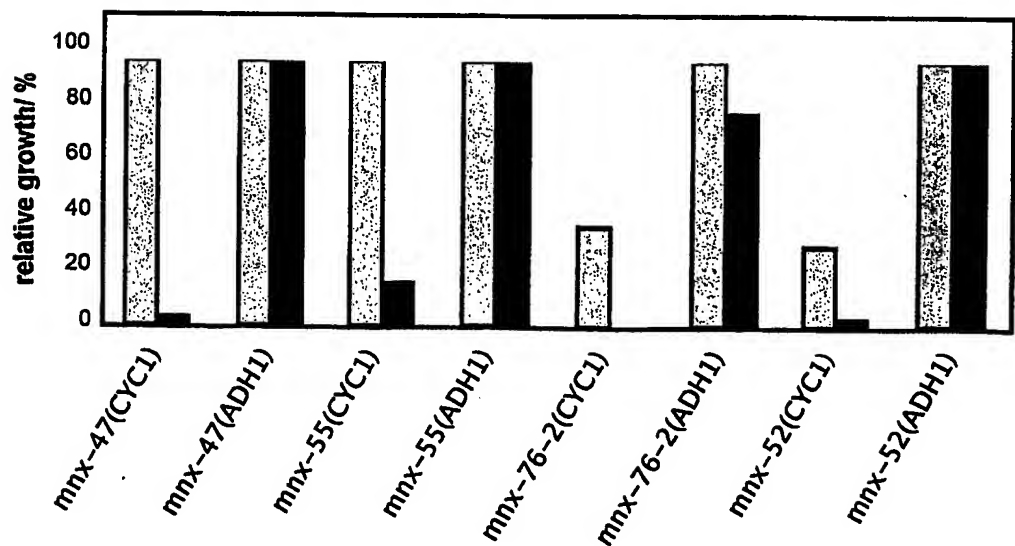


Figure 12

10/509507

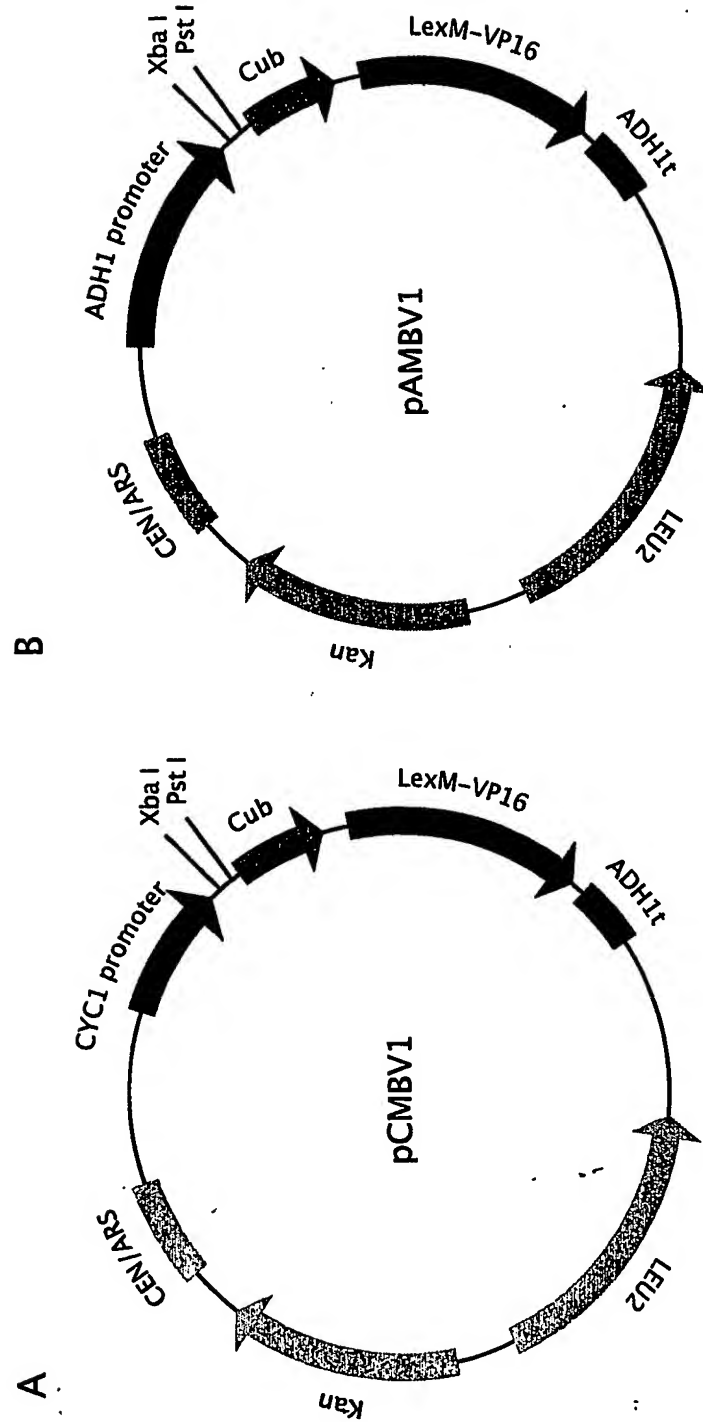


Figure 13

10/509507

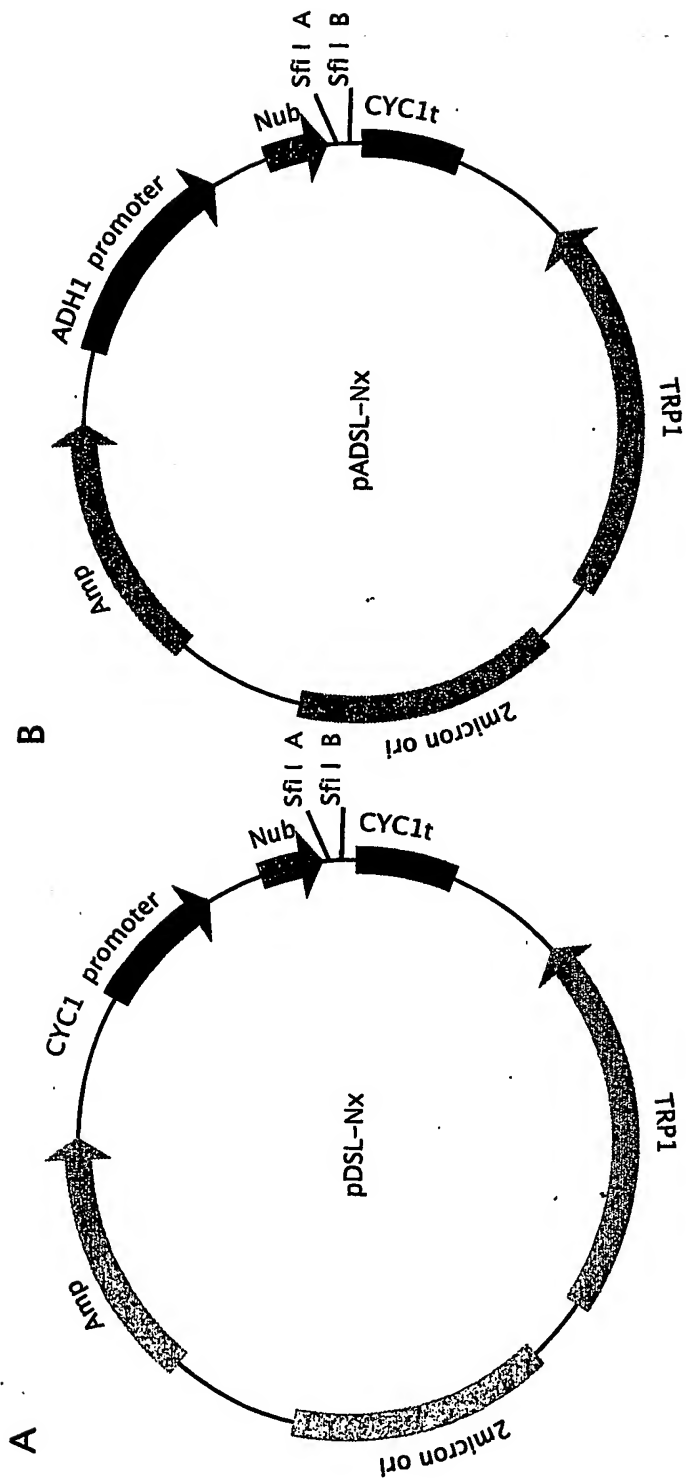


Figure 14

10/509507

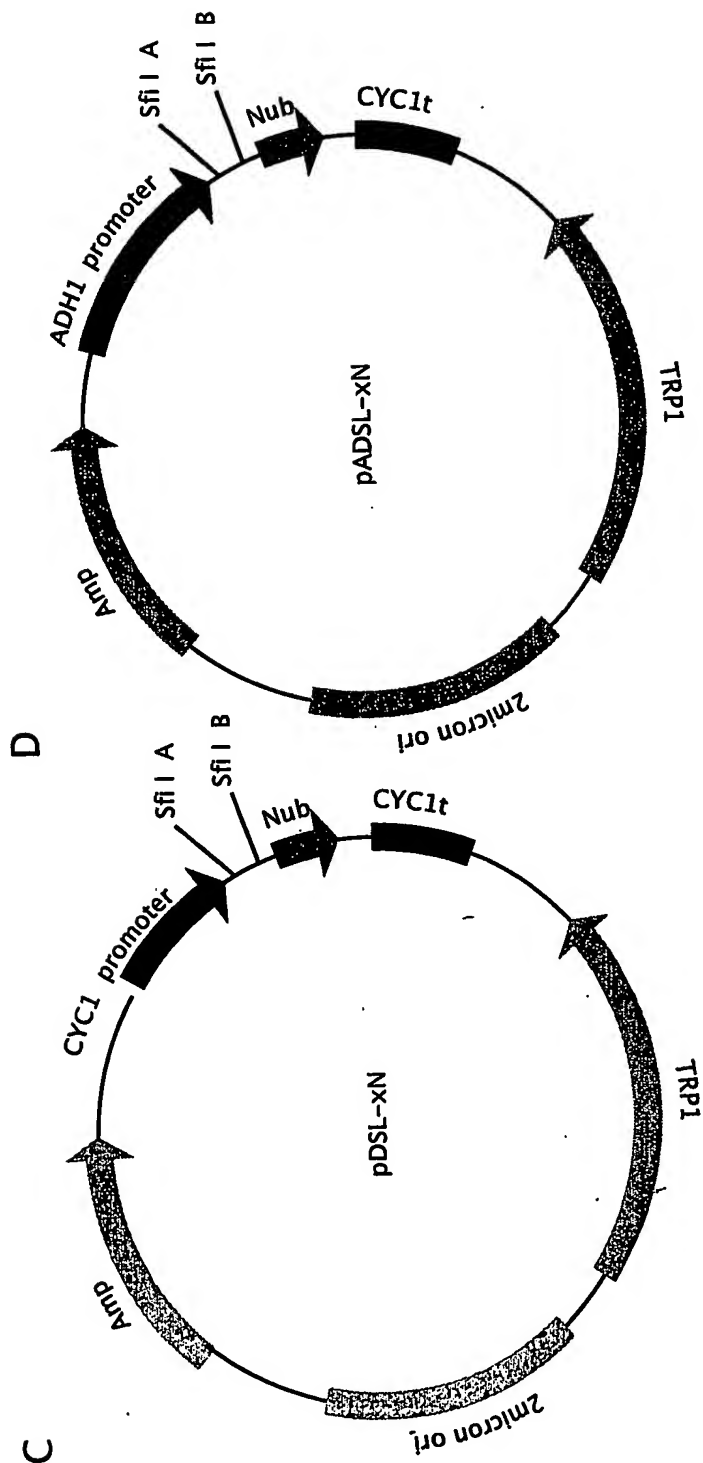


Figure 14

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